

said heat recovery system performs heat exchange, wherein said heat recovery system uses said exhaust gas supplied from said gas turbine as a heat source, and supplies steam generated in the heat exchange to a steam turbine system;

said steam turbine system performs expansion work, said steam turbine system comprising a condenser to condense said steam from said heat recovery system into water, said water being supplied to a heat exchanger in said coal gasification system, where said water is heated to steam, and wherein said steam from said heat exchanger is supplied to more than one high-temperature section of the gas turbine system which are at a temperature higher than a temperature of said steam from said heat exchanger.

3. (Three Times Amended) An IGCC according to claim 2, wherein said more than one high-temperature section of the gas turbine system is at least said gas turbine and a gas turbine combustor,

wherein said higher-temperature steam is directly supplied from said heat exchanger in said coal gasification system to said gas turbine, and

wherein said higher-temperature steam is first sent through a gas cleanup unit of said coal gasification system and then on to said gas turbine compressor.

33. (Amended) An integrated coal gasification combined cycle power generator (IGCC) comprising:

a coal gasification system for producing a combustible gas from coal, wherein said coal gasification system supplies said combustible gas to a gas turbine system;

said gas turbine system comprises a gas turbine for performing expansion work using said combustible gas, wherein said gas turbine supplies exhaust gas to a heat recovery system;

said heat recovery system performs heat exchange, wherein said heat recovery system uses said exhaust gas supplied from said gas turbine as a heat source, and supplies steam generated in the heat exchange to a steam turbine system;

said steam turbine system performs expansion work, said steam turbine system comprising a condenser to condense said steam from said heat recovery system into water, said water being supplied to a heat exchanger in said coal gasification system, where said water is heated to steam, wherein said steam from said heat exchanger is supplied to at least

03 one high-temperature section of the gas turbine system which is at a temperature higher than a temperature of said steam from said heat exchanger, and wherein high-pressure from an air compressor in said gas turbine system is supplied to cool the at least one high-temperature section of the gas turbine system if steam is not yet generated by said heat exchanger in said coal gasification system.

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04 46. (Amended) An IGCC according to claim 42, wherein air generated in an air compressor in said gas turbine system is supplied to said at least one high-temperature section of the gas turbine system for the purpose of cooling said high-temperature section of the gas turbine system, producing a higher-temperature air, said higher-temperature air is recovered after cooling said high-temperature section of the gas turbine system and supplied to said heat recovery system.

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